

ClaimsWhat is claimed is:

- 1 1. In a World Wide Web (Web) communication network with
2 user access via a plurality of data processor controlled
3 interactive Web display stations, a Web Service
4 distribution system comprising:
5 a registry of platform independent Web Services
6 available as integratable Web Service modules
7 distributable over the Web from registered suppliers to
8 requesting users;
9 means enabling suppliers to register said integrated
10 Web Service modules being offered by said suppliers for
11 distribution to users at said Web stations;
12 means enabling users of said Web Services to request
13 distribution of such services to their respective Web
14 stations;
15 means enabling said suppliers of said Web Services
16 to bill users provided with said Web Services to bill
17 requesting users for said Web Services provided over the
18 Web; and
19 means enabling third parties to track said
20 distribution and said billing via the Web.
- 1 2. The Web Services distribution system of claim 1
2 wherein said registry is a Universal Description,
3 Discovery and Integration (UDDI) registry.
- 1 3. The Web Services distribution system of claim 1
2 wherein said Web Service modules distributed over the Web
3 are defined in a text based markup language.

1 4. The Web Services distribution system of claim 3
2 wherein said text based markup language uses an
3 Extensible Markup Language (XML) standard.

1 5. The Web Services distribution system of claim 4
2 wherein said distributed Web Service modules include
3 interchangeable application program objects.

1 6. The Web Services distribution system of claim 4
2 wherein said third party enabled to track said
3 distribution is an independent Web services manager for
4 one selected from the group consisting of said suppliers
5 and said users.

1 7. The Web Services distribution system of claim 5
2 wherein said users and suppliers access the Web through
3 an Internet Service Provider (ISP), and said ISP includes
4 said Web services manager.

1 8. In a Web communication network with user access via a
2 plurality of data processor controlled interactive Web
3 display stations, a method of Web Service distribution
4 comprising:

5 providing a registry describing platform independent
6 Web Services available as integratable Web Service
7 modules distributable over the Web from registered
8 suppliers to requesting users;

9 enabling suppliers to register said integrated Web
10 Service modules being offered by said suppliers for
11 distribution to users at said Web station;

12 enabling users of said Web Services to request
13 distribution of such services to their respective Web
14 stations;

15 enabling said suppliers of said Web Services to bill
16 user provided with said Web Services to bill requesting
17 users for said Web Services provided over the Web; and

18 enabling third parties to track said distribution
19 and said billing via the Web.

1 9. The Web Services distribution method of claim 8
2 wherein said registry is defined by the UDDI standard.

1 10. The Web Services distribution method of claim 8
2 wherein said Web Service modules being distributed over
3 the Web are defined in a text based markup language.

1 11. The Web Services distribution method of claim 10
2 wherein said text based markup language uses an XML
3 standard.

1 12. The Web Services distribution method of claim 11
2 wherein said Web Service modules being distributed
3 include interchangeable application program objects.

1 13. The Web Services distribution method of claim 11
2 wherein said third party enabled to track said
3 distribution is an independent Web services manager for
4 one selected from the group consisting of said suppliers
5 and said users.

1 14. The Web Services distribution method of claim 12
2 wherein said users and suppliers access the Web through
3 an ISP, and said ISP includes said Web services manager.

1 15. A computer program having code recorded on a
2 computer readable medium for the distribution of Web
3 Services in a Web communication network with user access
4 via a plurality of data processor controlled interactive
5 Web display stations comprising:

6 a registry of platform independent Web Services
7 available as integratable Web Service modules
8 distributable over the Web from registered suppliers to
9 requesting users;

10 means enabling suppliers to register said integrated
11 Web Service modules being offered by said suppliers for
12 distribution to users at said Web station;

13 means enabling users of said Web Services to request
14 distribution of such services to their respective Web
15 stations;

16 means enabling said suppliers of said Web Services
17 to bill users provided with said Web Services to bill
18 requesting users for said Web Services provided over the
19 Web; and

20 means enabling third parties to track said
21 distribution and said billing via the Web.

1 16. The computer program of claim 15 wherein said
2 registry is a UDDI registry.

1 17. The computer program of claim 15 wherein
2 said Web Service modules distributed over the Web are
3 defined in a text based markup language.

1 18. The computer program of claim 17 wherein
2 said text based markup language uses an XML standard.

1 19. The computer program of claim 18 wherein said
2 distributed Web Service modules include interchangeable
3 application program objects.

1 20. The computer program of claim 18 wherein said third
2 party enabled to track said distribution is an
3 independent Web services manager for one selected from
4 the group consisting of said suppliers and said users.

1 21. The computer program of claim 19 wherein said users
2 and suppliers access the Web through an ISP, and said ISP
3 includes said Web services manager.